GOULDS WATER TECHNOLOGY
a xylem brand

Customer	Date 09.03.2020
Contact	Project
Phone number	Project no.
Email	

Technical Data

5SV8GF4C60

Operating data

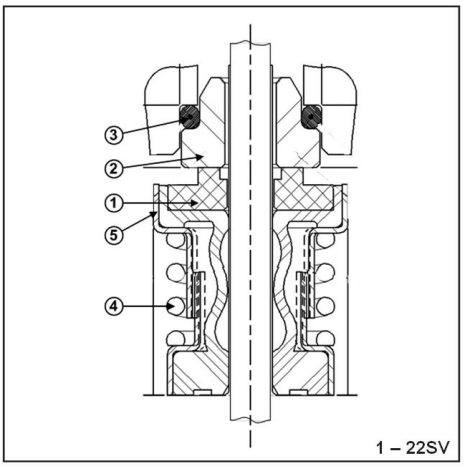
Pump type		Multi-Stage Pumps	Fluid		Water
No. of pumps / Reserve		1 / 0	Operating temperature t A	°F	39.2
Nominal flow	US g.p.m.	30	pH-value at t A		7
Nominal head	ft	200	Density at t A	lb/ft³	62.4
Static head	ft	0	Kin. viscosity at t A	ft²/s	1.689E-5
Inlet pressure	psi	0	Vapor pressure at t A	psi	14.5
Environmental temperature	°F	68	Solids		0
Available system NPSH	ft	0	Altitude	ft	0

Pump data

Make	Goulds Water Technology			Nominal	US g.p.m.	31.2	(31.2)
Speed	rpm	3500	Flow	Max-	US g.p.m.	44.1	
No. of stages		8		Min-	US g.p.m.		
Max. working pressure	psi	119.4		Nominal	ft	216.5	
Head H(Q=0)	ft	280	Head	at Qmax	ft	136.7	
Weight	lb	63		at Qmin	ft	275.4	
Efficiency	%	70.4	Shaft power		hp	2.4	(2.4)
NPSH 3%	ft	6.4	Max. shaft power		hp	2.7	

Shaft Seal

Single Seal	Xylem
Mechanical Seals	
1 - Rotating Face	Carbon
2 - Stationary Face	Silicon Carbide Graphite Filled
3 - Elastomers	Viton
4 - Spring	316SS
5 - Metal Components	316SS



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Motor data

Manufacturer	Baldor	Electric voltage	230 V	Speed	3450 rpm	Insulation class	F
Specific design	3ph TPE			Frame size	56C	Colour	RAL 5010
Type	230/460V 56C (V09A32F5BD2S)			Degree of protection	TEPE		
Rated power	3 hp	Electric current	7 A				

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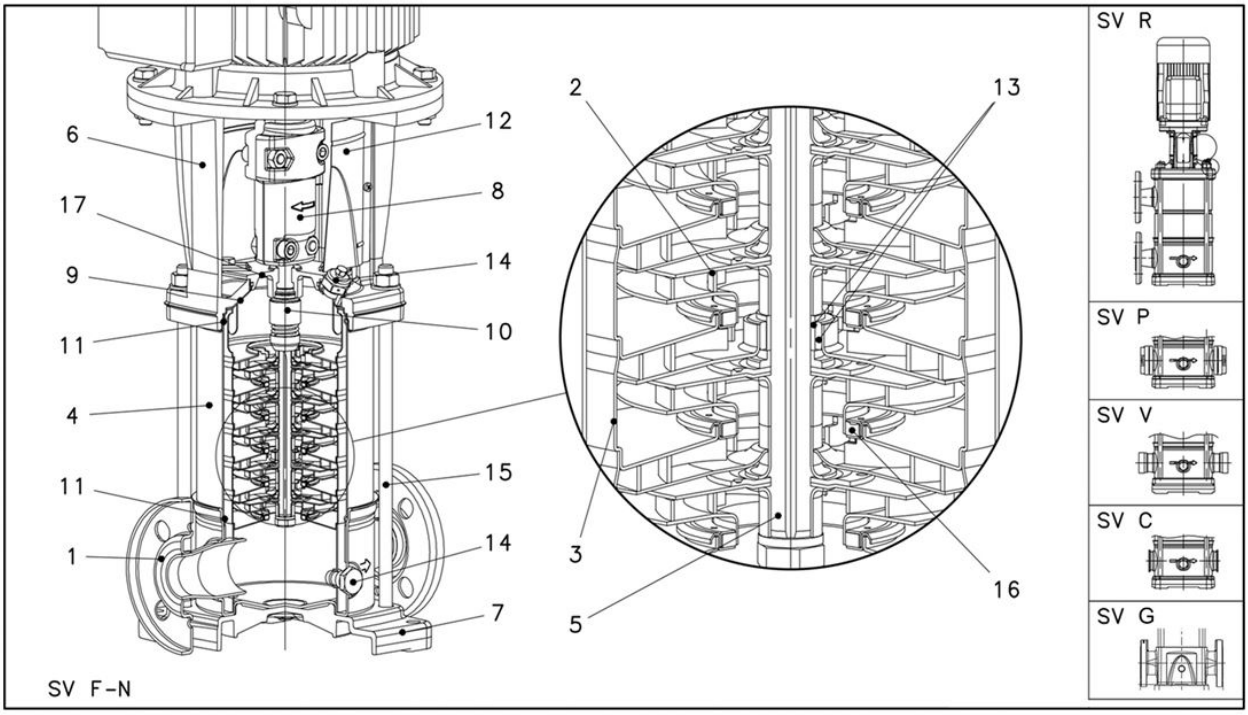
Construction Data

Pump Materials

1 - Pump Body	Cast Iron (ASTM Class 35/40B)
2 - Impeller	Stainless Steel (AISI 304)
3 - Diffuser	Stainless Steel (AISI 304)
4 - Casing	Stainless Steel (AISI 316L)
5 - Shaft	Stainless Steel (AISI 316)
6 - Adapter	Cast Iron (ASTM Class 35/40B)
7 - Base	N/A
8 - Coupling	Aluminum (A384.0-F)
9 - Seal Plate	Stainless Steel (AISI 316L)
10 - Mechanical Seal	Refer Mechanical Seals
11 - Elastomers	Refer Mechanical Seals
12 - Coupling Guard	Stainless Steel (AISI 304)
13 - Shaft Sleeve and Bushing	Tungsten carbide
14 - Fill/Drain Plugs	Stainless Steel (AISI 316)
15 - Tie Rods	Carbon Steel / Zinc Plated (A29 Gr.1045)
16 - Wear Ring	PPS
17 - Seal Gland	Stainless Steel (AISI 316)



Remarks:

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Tender Hydraulic

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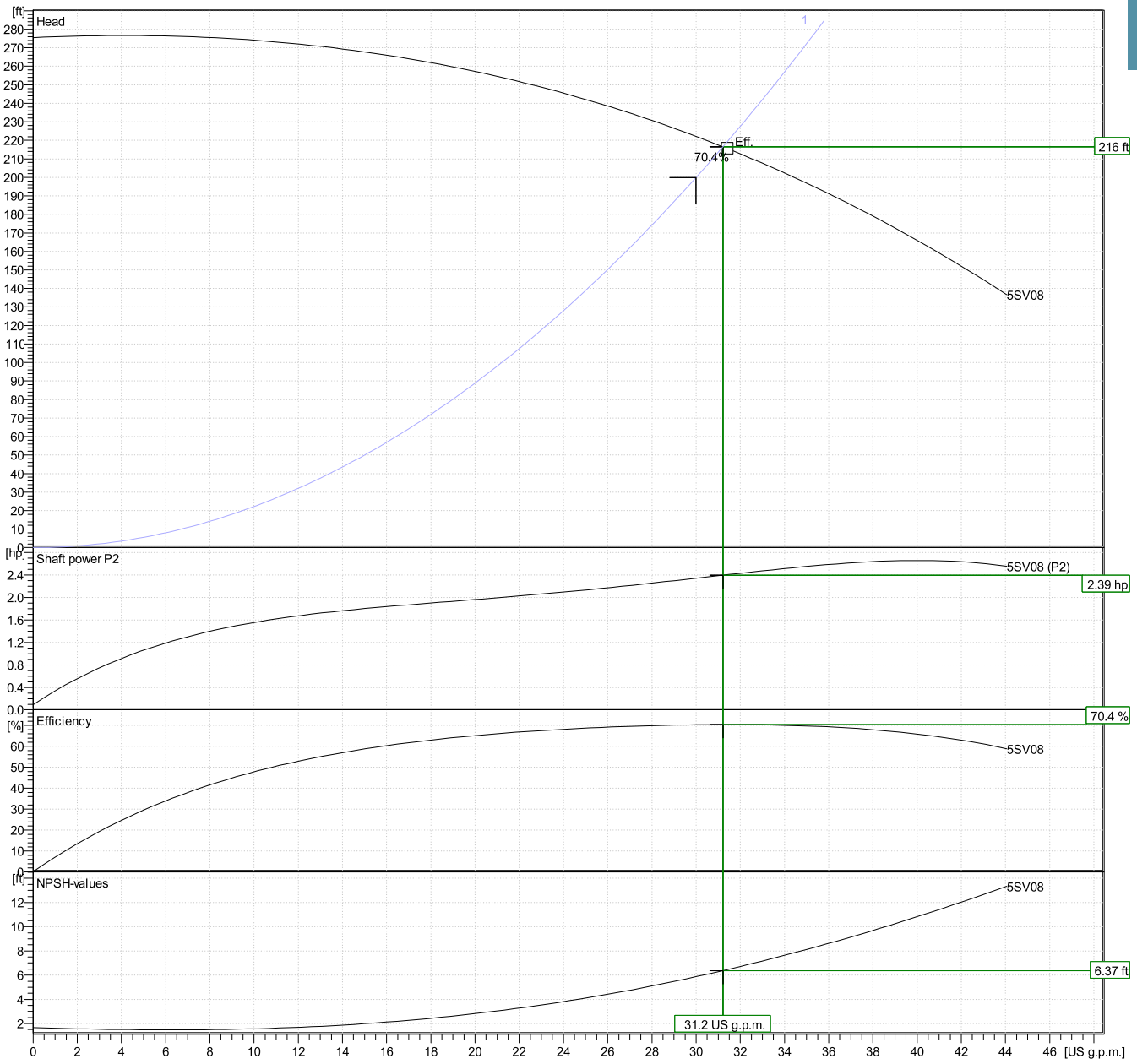
Hydraulic Data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	30 US g.p.m.			Impeller R	"
Head	200 ft	Flow	31.2 US g.p.m.	Frequency	60 Hz
Static head	0 ft	Head	216 ft	Speed	3500 rpm

Power datas referced to:
Water [100%] ; 39.2°F; 62.4lb/ft³; 1.69E-5ft²/s
Performance according to ISO 9906 - Annex A



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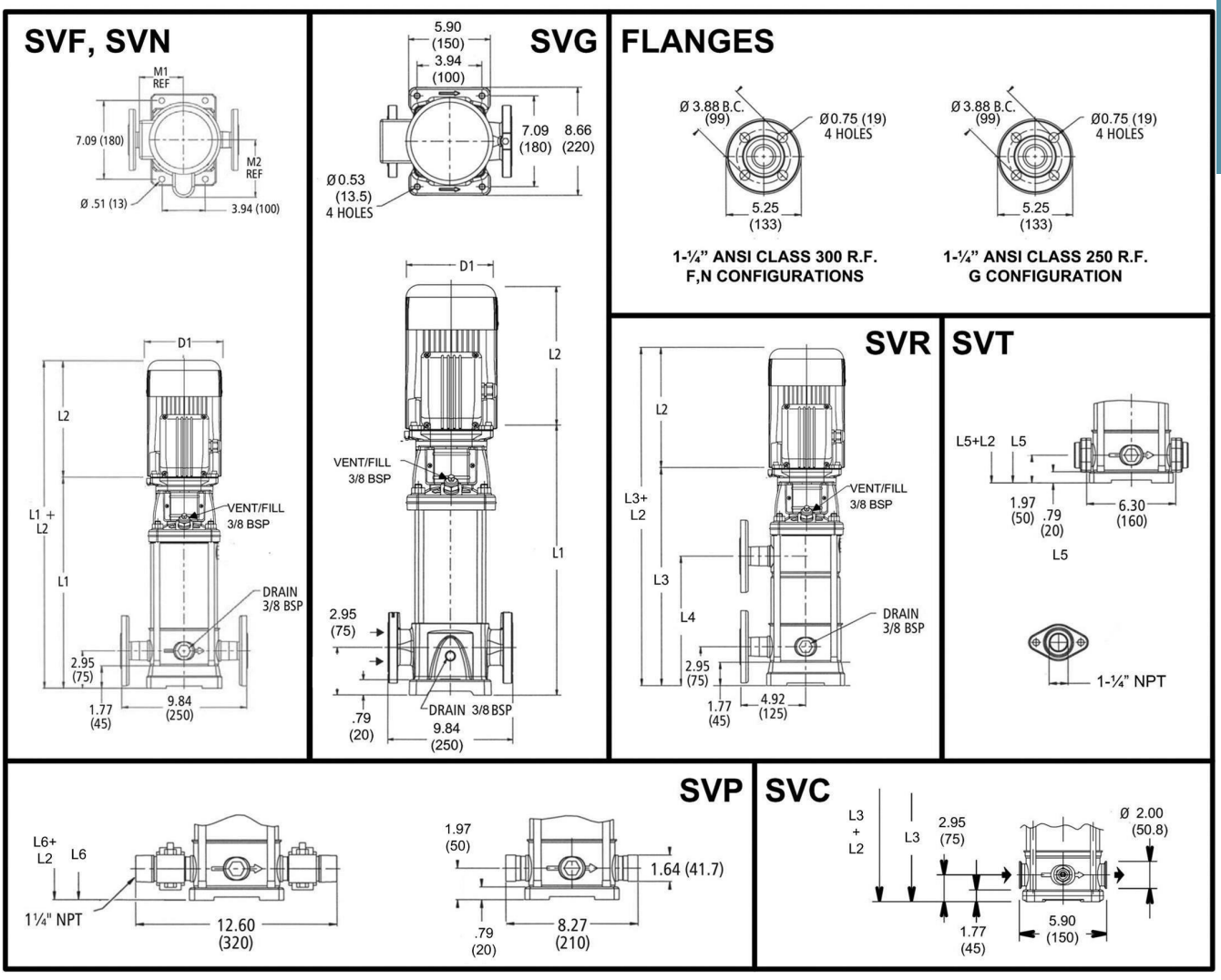
Drawing



Dimensions inch

D1 max	$7^{3}/_{16}$	NEMA Frame	182TC			Weight
D2	$8^{7}/_{8}$					63.15 lb
L1	$13^{11}/_{16}$					
L2	$12^{7}/_{16}$					
L3	$18^{3}/_{4}$					
L4	$10^{1}/_{2}$					
L5	$17^{13}/_{16}$					
L6	$17^{13}/_{16}$					
M.Ref	$6^{15}/_{16}$					